AMENDMENTS TO THE CLAIMS

- 1-21. (canceled)
- 22. (currently amended) An article, comprising:

a steel spider comprising a hub, a plurality of angularly spaced trunnion shoulders extending from the hub, each having a trunnion shoulder surface, and a corresponding plurality of angularly spaced trunnions extending from the plurality of each trunnion shoulders, each trunnion having a trunnion axis and a trunnion surface, the trunnion surfaces and the trunnion shoulder surfaces comprising a hardened case, wherein the hardened case is formed by an induction heat treatment that is applied concurrently to a first pair that includes a trunnion shoulder surface and a trunnion surface that corresponds to said trunnion shoulder surface, and thereafter is applied to each such pair consecutively until each such pair has been heat treated.

- 23. (original) The article of claim 22, wherein the induction heat treatment comprises the steps of (1) selecting an induction coil, which is adapted to receive a trunnion for heat treatment and apply a magnetic field to the trunnion surface and the trunnion shoulder surface; (2) placing a trunnion within the induction coil with its corresponding trunnion shoulder adjacent to the induction coil; (3) rotating the trunnion within the induction coil about the trunnion axis at a selected speed; (4) energizing the induction coil to apply the magnetic field and produce induction currents within the trunnion surface and trunnion shoulder surface of the article for a time sufficient to induce heating them to a heat treatment temperature (T_H) to at least a selected case depth; (5) withdrawing the trunnion from the induction coil at a selected rate; (6) cooling the trunnion surface and the trunnion shoulder surface of the article to a temperature (T_C) to the selected case depth; and (7) repeating steps (2)-(6) for a selected number of the trunnions.
- 24. (original) The article of claim 23, wherein the induction hardened case comprises a martensitic microstructure and the core comprises a microstructure that is

a mixture of pearlite and ferrite.

- 25. (original) The article of claim 24, wherein the induction hardened case has a hardness of about $R_{\rm C}$ 58-63, and the core has a hardness of about $R_{\rm C}$ 15-30.
- 26. (original) The article of claim 24, wherein the martensitic microstructure is a tempered martensitic microstructure.
- 27. (original) The article of claim 26, wherein the tempered martensitic microstructure is formed by the induction heat treatment.
- 28. (original) The article of claim 27, wherein the tempered martensitic microstructure has a hardness of about R_C 58-63.
- 29. (original) The article of claim 28, wherein the depth of the case is about 1 2 mm.